



SB627391 06

SERVICE BULLETIN

Classification:

EL01-024

Reference:

NTB01-080

Date:

November 20, 2001

2002 ALTIMA; ENGINE WILL NOT CRANK IN PARK BUT WILL CRANK IN NEUTRAL

APPLIED VEHICLE: 2002

2002 Altima (L31)

SERVICE INFORMATION

If an applied vehicle with an automatic transmission exhibits the following symptom, (particularly if the engine is at normal driving temperature rather than cold):

- Engine does not crank when the gear shift selector lever is in Park (P) position, but will crank when the gear shift selector lever is in Neutral (N),

It may be corrected by adjusting the transmission control cable.

- Refer to the Service Procedure in this bulletin for adjusting the transmission control cable if the described symptom should occur.

SERVICE PROCEDURE

1. Verify the incident.
2. Place the gear shift selector lever in Park (P) position.
3. Remove the transmission control cable from the transmission lever (see Figure 1).

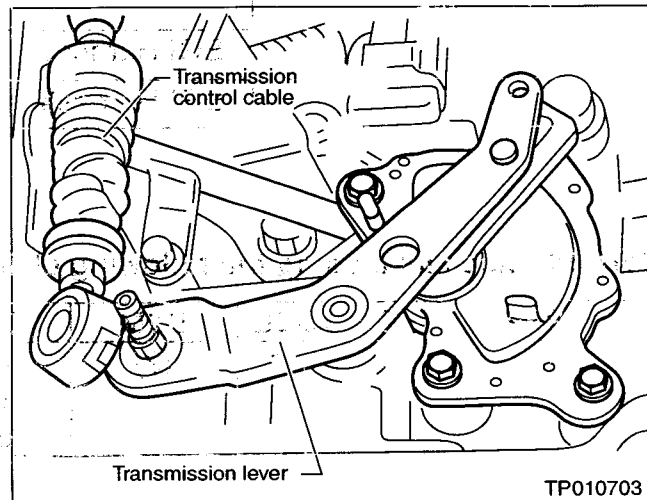


Figure 1

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4. Shift the transmission lever (see Figure 1) into Neutral (N) position.
5. Check the adjustment of the Park/Neutral Switch by inserting a 4mm(5/32") dowel pin into the adjustment holes of the transmission lever and Park/Neutral Switch (see Figure 2).
 - Use the "chuck end" of a 4mm(5/32) drill bit if a dowel pin is not available.

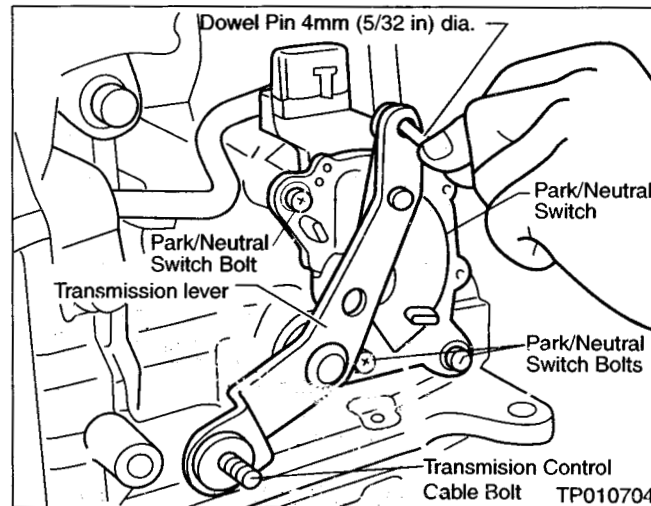
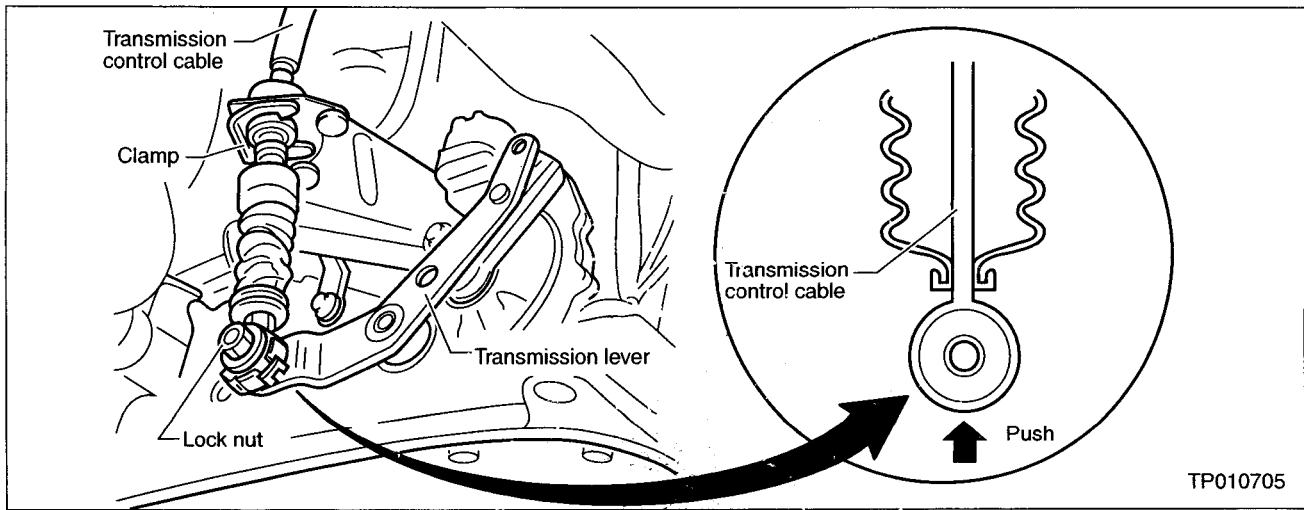


Figure 2

6. If the 4mm(5/32") dowel pin cannot be inserted, adjust the Park/Neutral Switch as follows:
 - A. Loosen the 3 bolts that fasten the Park/Neutral Switch (See Figure 2).
 - B. Rotate the Park/Neutral switch as required to insert the 4mm (5/32") dowel pin (see Figure 2).
 - C. Tighten the 3 bolts that fasten the Park/Neutral Switch.
7. Shift the transmission lever into Park (P) position.
8. Attach the transmission control cable to the transmission lever. Loosely assemble the lock nut (see Figure 3 on page 3).

Note: The hole for the transmission control cable bolt (see Figure 2) is slotted. This will allow adjustment of the transmission control cable.

9. Push the transmission control cable end (do **not** pull) towards the gear shift selector to ensure all the play in the control cable has been eliminated (see Figure 3).
 - Then, release the control cable and tighten the lock nut to 11-14 N-m (8-10 ft-lbs).



10. Verify the gear shift selector lever operates freely and confirm the engine cranks in both Park (P) and Neutral (N) position.

CLAIMS INFORMATION

Submit a Primary Operation (PO) line claim using the following claims coding:

| DESCRIPTION | CP CODE | SYM | DIA | FRT |
|------------------------------------|---------|-----|-----|-----|
| Adjust A/T Selector / Shift Cables | WD28AA | AA | 41 | (1) |

1. Reference the current Nissan "Warranty Flat Rate Manual" and use the indicated FRT.

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